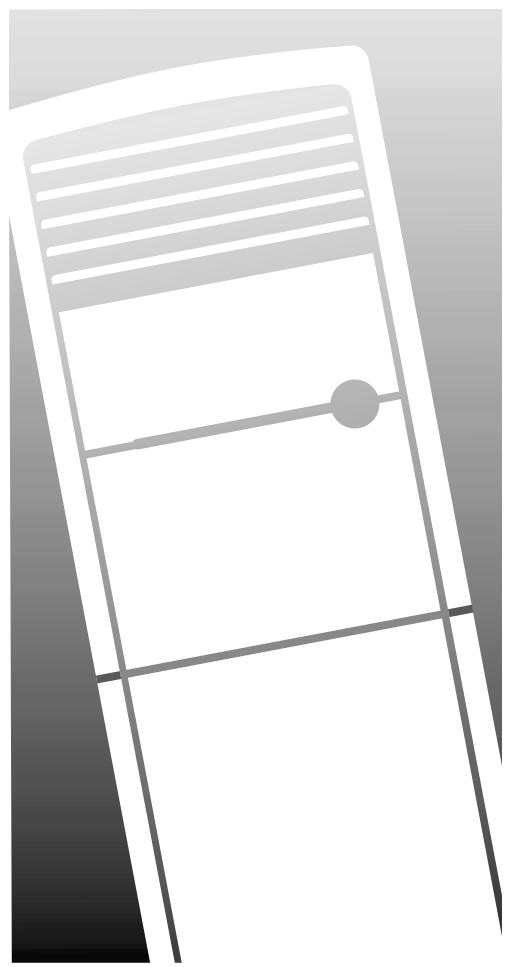
SAMSUNG

OWNER'S INSTRUCTIONS

Heat pump	Cooling only
AVMPH060EA0	AVMPC060EA0
AVMPH070EA0	AVMPC070EA0
AVMPH082EA0	AVMPC082EA0

System Air Conditioner



Ⓔ DB98-07286A(1)

Safety Precautions

⚠ WARNING

- If the power supply cord of this air conditioner is damaged, it must be replaced by the manufacturer or its authorized service personnel only in order to avoid a safety hazard.

⚠ DANGER

- Do not attempt to install this air conditioner by yourself.
- This unit contains no user-serviceable parts. Always consult authorized service personnel for repairs.
- When moving, consult authorized service personnel for disconnection and installation of the unit.
- Do not become over-exposed to cold air by staying in the direct path of the airflow of the air conditioner for extended periods of time.
- Do not insert fingers or objects into the outlet port or intake grilles.
- Do not start and stop air conditioner operation by disconnecting the power supply cord and so on.
- Take care not to damage the power supply cord.
- In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.

⚠ CAUTION

- Provide occasional ventilation during use.
- Do not direct air flow at fireplaces or heating apparatus.
- Do not climb on, or place objects on, the air conditioner.
- Do not hang objects from the indoor unit.
- Do not set flower vases or water containers on top of air conditioners.
- Do not expose the air conditioner directly to water.
- Do not operate the air conditioner with wet hands.
- Do not pull power supply cord.
- Turn off power source when not using the unit for extended periods.
- Check the condition of the installation stand for damage.
- Do not place animals or plants in the direct path of the air flow.
- Do not drink the water drained from the air conditioner.
- Do not use in applications involving the storage of foods, plants or animals, precision equipment, or art works.
- Do not apply any heavy pressure to radiator fins.
- Operate only with air filters installed.
- Do not block or cover the intake grille and outlet port.
- Ensure that any electronic equipment is at least one metre away from either the indoor or outdoor units.
- Avoid installing the air conditioner near a fireplace or other heating apparatus.
- When installing the indoor and outdoor unit, take precautions to prevent access to infants.
- Do not use inflammable gases near the air conditioner.
- Max input power & current is measured according to IEO standard and input power & current is measured according to ISO standard.

Contents

◆ ***PREPARING YOUR AIR CONDITIONER***

- ■ Safety Precautions 2
- ■ View of the Unit 4
- ■ Wireless Remote Controller-Buttons and Display 6
- ■ Centralized Controller 7
- ■ Using the Control Panel on the Indoor Unit 8

◆ ***RECOMMENDATIONS FOR USE***

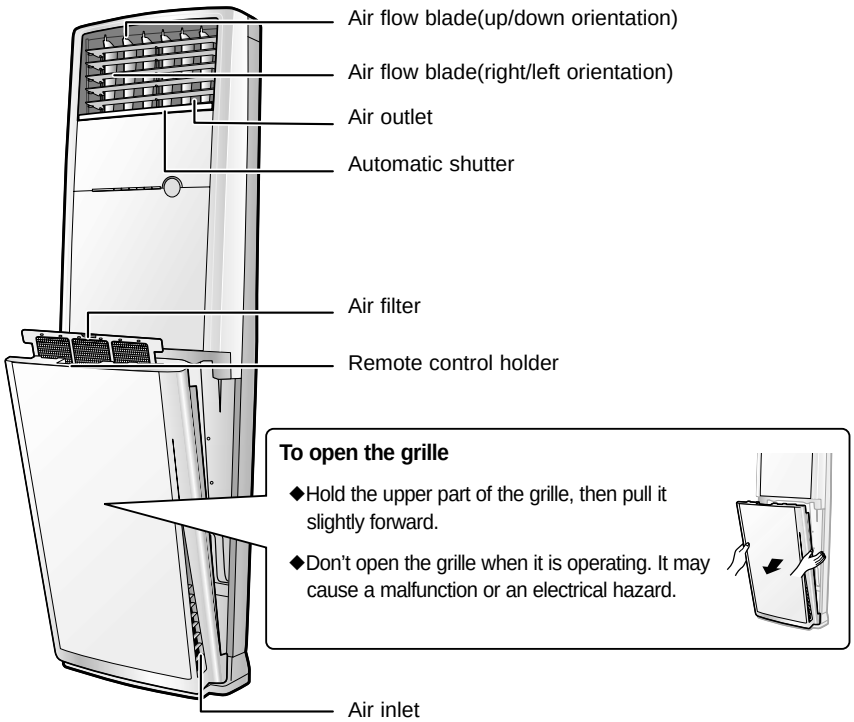
- ■ Operating Recommendations 9
- ■ Cleaning Your Air Conditioner 10
- ■ Temperature and Humidity Ranges 12
- ■ Solving Common Problems 13

◆ ***TECHNICAL SPECIFICATIONS***

View of the Unit

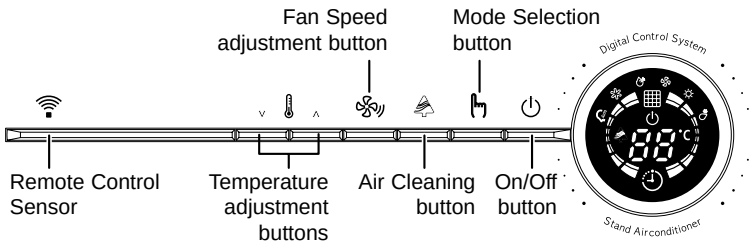
The figures are shown in this instruction may differ from yours depending on the model.

Indoor Unit

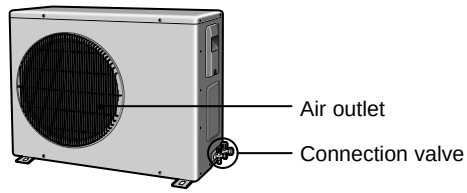

Air flow blade(up/down orientation)
Air flow blade(right/left orientation)
Air outlet
Automatic shutter
Air filter
Remote control holder
To open the grille
◆Hold the upper part of the grille, then pull it slightly forward.
◆Don't open the grille when it is operating. It may cause a malfunction or an electrical hazard.
Air inlet

Control Panel

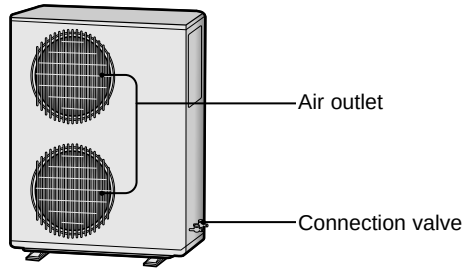
You can operate the air conditioner with the control panel when you can't or don't want to operate the air conditioner with the remote control. Refer to page 8.



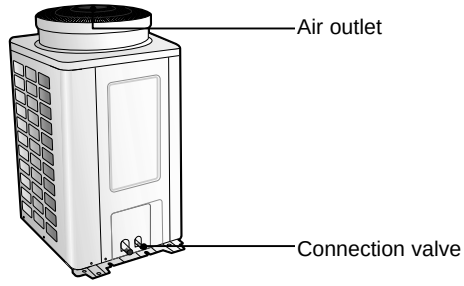
Outdoor Unit TYPE A



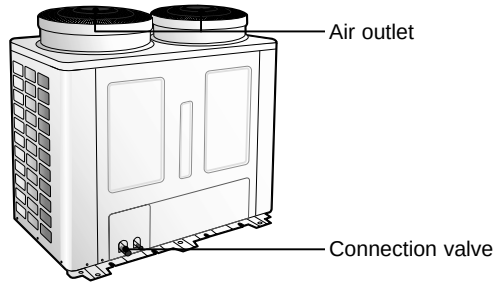
Outdoor Unit TYPE B



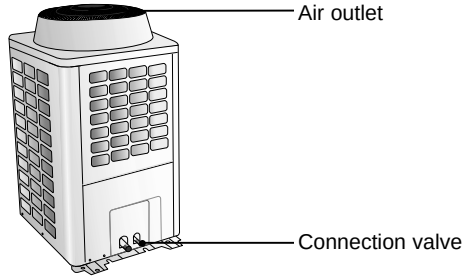
Outdoor Unit TYPE C



Outdoor Unit TYPE D



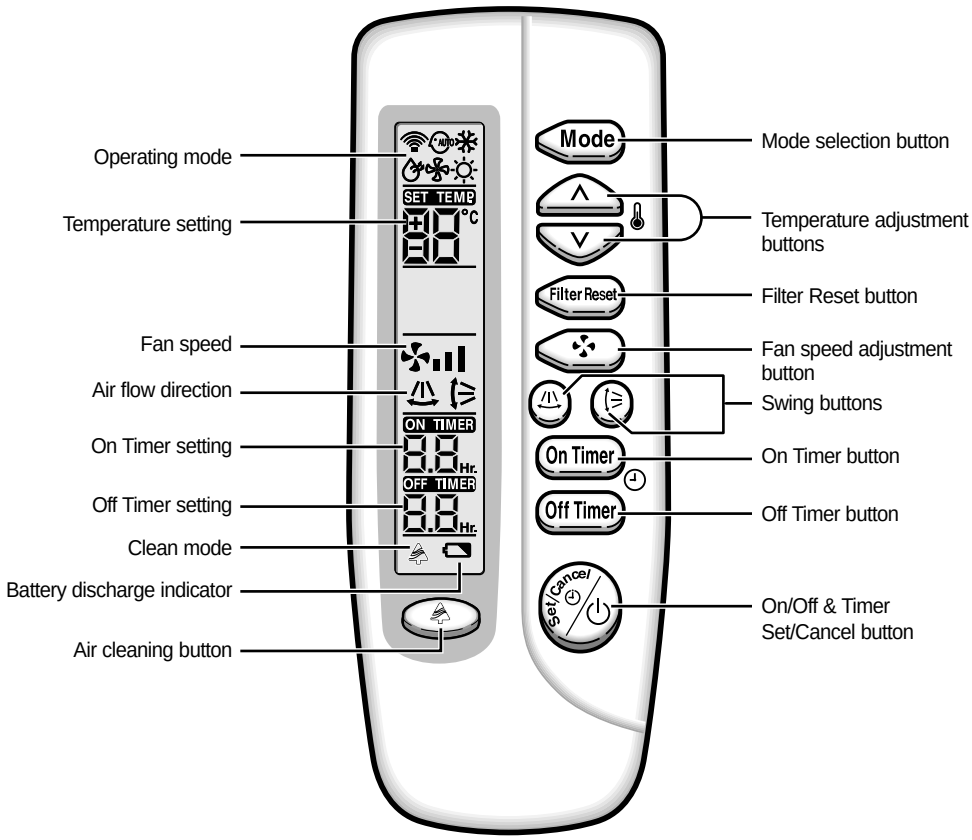
Outdoor Unit TYPE E



Note If the heat exchanger in the outdoor unit gets dusty, cooling efficiency may fall. So clean the heat exchanger with water when it becomes dirty. However, be careful when you wash the surface of the heat exchanger because it is very sharp.

Wireless Remote Controller-Buttons and Display

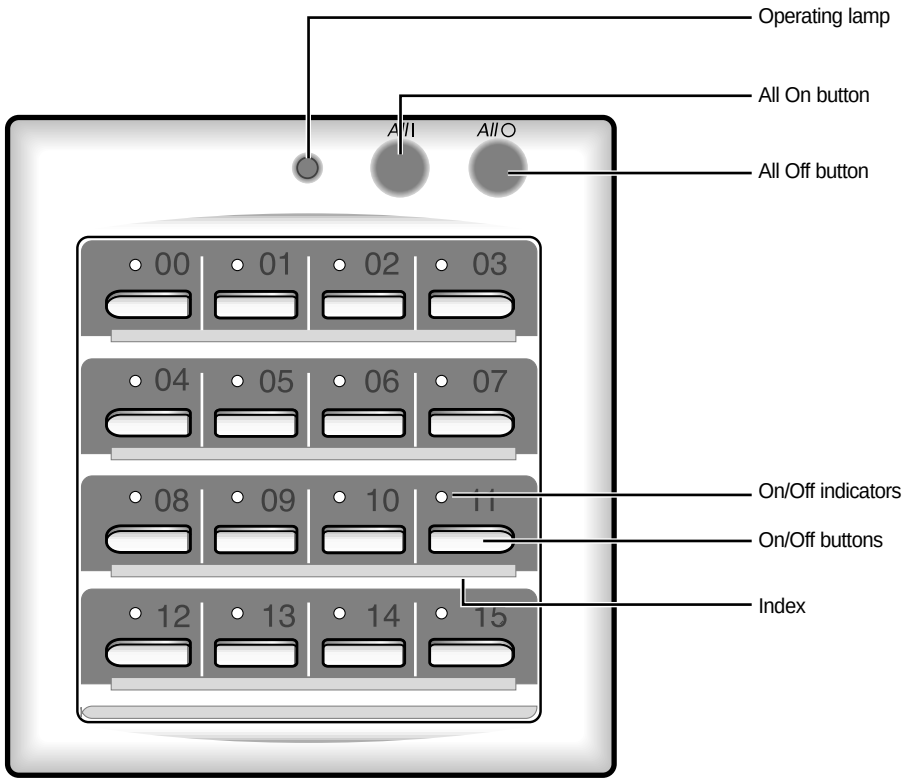
The wireless remote controller is an optional accessory.
To use the wireless remote controller, refer to an appropriate manual.



Note - After cleaning the air filter, press the filter reset button.
- The heating mode(☼) is not selected in the Cooling Only models.

Centralized Controller

The centralized controller is an optional accessory and it is installed on the wall.
To use the centralized controller, refer to an appropriate manual.



Note Operating lamp comes on when at least one air conditioner connected to the centralized controller is operating.

Using the Control Panel on the Indoor Unit

You can operate the air conditioner with the control panel when you can't or don't want to operate the air conditioner with the remote control.

1 If you want to operate the air conditioner, press the (On/Off) button.

Result:
- ◆ The air conditioner starts up in the mode which was last selected and used.
- ◆ The indoor unit beeps
- ◆ If you want to stop, press the (On/Off) button once again.

2 To adjust the mode you want, press the button.

Result:
- ◆ You can select each (Auto), (Cool), (Dry), (Fan), (Heat) mode.
- ◆ The , , , , indicator is displayed in turn each time you press the button.

Caution

- ◆ The mode is selected only in the Heat Pump models.

3 To adjust your desired temperature, press the buttons once or more times.

Result:
- ◆ If you finish setting the temperature, the current temperature indicates on the control panel.

4 To adjust the Fan speed, press the button.

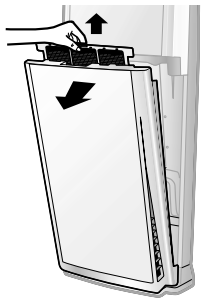
5 To adjust the air clean mode, press the button.
You can select this mode at anytime while the air conditioner is operating.

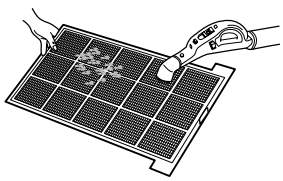
Operating Recommendations

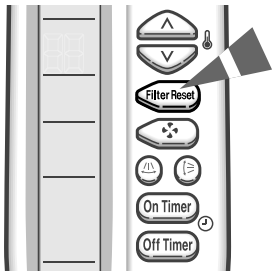
Here are a few recommendations that you should follow when operating your air conditioner.

Topic	Recommendation
Heating performances	The heat pump function of the air conditioner absorbs heat from outside air and brings it indoors. As the temperature of the outside air drops, the heating performance of air conditioner will decrease. If you find that the room is not warm enough, using an additional heating appliance is recommended.
Frost	When outside temperature is low but humidity is high, frost may form on the outdoor unit at HEAT mode. If this happens: ◆ The heating operation stops. ◆ The defrost mode will be triggered automatically for about ten minutes and the *△ (defrost) indicator lights up. No intervention is required ; after about ten minutes, the air conditioner operates again normally.
High indoor and outdoor temperatures	If both indoor and outdoor temperatures are high and the air conditioner is running at HEAT mode, the outdoor unit's fan and compressor may stop at times. This is normal ; simply wait until the air conditioner switches on again.
Power failure	If a power failure occurs while the air conditioner is operating, the unit will be switched off. When the power returns, the air conditioner starts up again automatically.

Cleaning Your Air Conditioner







To get the best possible use out of your air conditioner, you must clean it regularly to remove the dust that accumulates on the air filter.
While you are cleaning the air conditioner, the (filter) indicator lights up on the control panel.

IMPORTANT Before cleaning your air conditioner, ensure that you have switched off the breaker for the unit.

1 Open the front grille, then pull out the air filter.

2 Remove all dust on the air filter with a vacuum cleaner or brush.

3 When you have finished, insert the air filter into the original position and close the front grille.

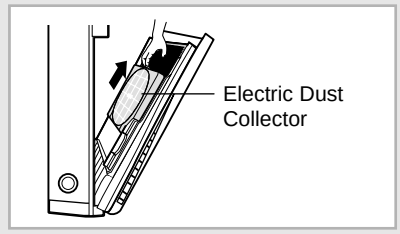
4 Clean the unit with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).

Note

- If you have not used the air conditioner for a long period of time, set the fan going for three to four hours to dry the inside of the air conditioner thoroughly.
- After cleaning the air conditioner, press the Filter Reset button.

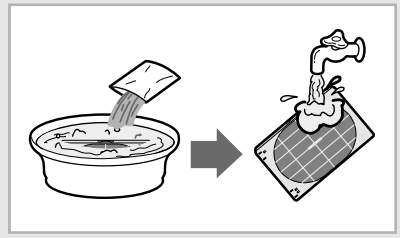
To Clean the Electric Dust Collector

You have to clean the electric dust collector once a month and the cleaning cycle depends on the time during which the air conditioner is used.



1 Open the front grille, then pull out the electric dust collector.

2 Dissolve an alkaline detergent in tepid water, then put the Electric dust collector in the water for 30 minutes.



Note

- ◆ Do not handle the detergent with bare hands.
- ◆ Do not place the filter in the water for a long time. It may damage the filter

3 Clean the electric dust collector with running water.

4 Dry the electric dust collector in the shade, then insert the collector into the original position, close the front grille.

Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges, within which the air conditioner can be used.

If the air conditioner is used at...	Then...
High temperature	The automatic protection feature may be triggered and the air conditioner stopped.
Low temperature	A water leakage or some other malfunction may happen if the heat exchanger freezes.
High humidity levels	Water may condense on and drip from the surface of the indoor unit if it is used for a long periods.

Mode	Indoor Temperature	Outdoor Temperature	Indoor Humidity
Heating	27°C or less	-20°C to 24°C approx.	-
Cooling	21°C to 32°C approx.	- 5°C to 43°C approx.	80% or less
Drying	18°C to 32°C approx.	-5°C to 43°C approx.	-

✵ ***If the heating operation is used at below 0°C(outdoor temperature) then, it does not heat at its full capacity.***
If the cooling operation is used at over 33°C(indoor temperature) then, it does not cool at its full capacity.

Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save your time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all	◆ Check that the breaker used for the air conditioner is switched on.
The air conditioner does not operate with the remote controller	◆ Check that there are no obstacles between you and the remote control sensor. ◆ Check the wireless remote controller batteries ◆ Check that you are close enough to the remote control sensor. (seven metres/yards or less).
No beep is heard when you press the (On/Off)button on the remote controller	◆ Check that you are pointing the remote controller at the remote control sensor on the indoor unit. ◆ Replace the remote controller batteries if necessary. ◆ If there is a strong light around the air conditioner, a three-wavelength light, a neon sign, etc., for example, the air conditioner may not be operated with a remote controller. If this happens, use the remote controller close by the remote control sensor.
The air conditioner does not cool or heat	◆ Check that the correct operating mode has been selected. ◆ The room temperature may be too low or too high. ◆ Dust may be blocking the air filter guard; refer to page 10 or 11 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
When heating, the required room temperature is never reached and the air conditioner frequently stops	◆ Check that the required temperature has been set correctly. ◆ Increase the fan speed.

Technical Specifications

Model	Power Supply
AVMPH060EA0 AVMPH070EA0 AVMPH082EA0 AVMPC060EA0 AVMPC070EA0 AVMPC082EA0	1Ø, 220-240V~, 50Hz

Memo

THIS AIR CONDITIONER IS MANUFACTURED BY:

ELECTRONICS

Printed in Korea